

Andrew Winterman

CONTACT INFORMATION	3811 SE Ellis, Portland, OR 97202	mobile: (714) 362-6823 e-mail: andywinterman@gmail.com
SUMMARY	Reed mathematics major looking for post-graduation employment in statistics, scientific computation, or programming.	
PUBLICATIONS	Winterman, A. (2010) <i>Statistical Tests of Equivalence</i> . Unpublished Undergraduate Thesis, Reed College, Portland OR. N. M. Murari, R. Thomas, A. Winterman, R. E. Melgarejo, S. P. Pavunny, and R. S. Katiyar. "Structural, electrical, and magnetic properties of chemical solution deposited Bi(Fe _{0.95} Cr _{0.05})O ₃ thin films on platinized silicon substrates," J. Appl Physics 105, 084110 (2009).	
EDUCATION	Reed College: B.A. in Mathematics; Thesis in statistics.	Aug 2006 - Dec 2010
	Deutsche Sommerschule am Pazifik: Language Immersion (German)	Summer 2009
	Universidad Belgrano: Language Immersion (Spanish)	Summer 2006
SCIENTIFIC EMPLOYMENT	Research Experience for Undergraduates at Reed College	Intern Summer 2010
	Repaired and improved available statistical tools for cDNA microarray analysis. Worked with a team of undergraduates under Professors Susan Renn and Albyn Jones, developed statistical test of equivalence for use with microarray day.	
	Researcher at University of Puerto Rico, Rio Piedras, Spectrum Laboratories	Intern Fall 2008
	Executed a complicated scientific procedure to exacting standards. Coauthor on paper N. M. Murari et al (2009), full citation below.	
	Westfälische Wilhelms-Universität Münster and the German Academic Exchange Service (DAAD)	Intern Summer 2008
	Operated a tomographic atom probe, transmission electron microscope, and a field ion microscope. Executed delicate scientific procedure designed to test the effect of extreme temperatures on the rate of diffusion of nano-materials.	
STUDENT ORGANIZATIONS	Outdoor Odyssey Orientation Trip	Student Leader Summer 2010
	Lead four day backpack in Mt. Adams wilderness area for incoming Reed College freshmen. Responsibilities include group safety, organizing meals, clean water, tending group moral.	
	Jump Rope Club	Organizer Spring 2009
	Student Health: Installed jump ropes in lobby of Reed College library to combat stress culture, encourage students to exercise as a study break.	
LANGUAGE & CONSTRUCTION EMPLOYMENT	VOZ Workers' Rights Education Project	Volunteer Fall 2009
	Taught English to Latin American adult day laborers while they waited for employment.	
	Ayuda Directa	Volunteer Summer 2007
	Constructed "dust free" building in remote Andean village to properly house government issued computers. Tutored more advanced Quechua students in English vocabulary and grammar.	

COMPUTER SKILLS	R: A language and environment for statistical computing, $\text{\LaTeX 2}_{\epsilon}$, Haskell, Wolfram's Mathematica, Java, HTML.
LANGUAGES	English (Fluent) Spanish (Advanced) German (Intermediate)
INTERESTS	Ultimate Frisbee (member of college team, 2006 - 2010) Cooking (Japanese, Italian, preferably for large groups) Tango & Jazz, Commuting by bike Traveling, Piano & Percussion
RELEVANT COURSEWORK	Mathematics 331: Linear Algebra Mathematics 391: Probability Mathematics 392: Mathematical Statistics Economics 201: Introduction to Economic Analysis Economics 342: International Macroeconomics